

Patent Claims:

1. Brake holder (1, 31) of a floating-caliper disc brake with axially extending holder arms (7, 34) at which associated brake pads (6) arranged on either side of a brake disc and mountable radially in the brake holder (1, 31) are displaceably mounted, comprising at least one brake pad guide spring (20, 30, 40, 50, 60) arranged between the brake holder (1, 31) and the brake pads (6),
c h a r a c t e r i z e d in that the brake pad guide spring (20, 30, 40, 50, 60) is mountable on the brake holder (1, 31) in a generally radial (5) direction and locked at the brake holder (1, 31) in both radial (5) and axial (3) directions by means of at least one fixing clamp (27 to 29, 37, 47, 48, 57, 58, 67, 68), wherein at least one spring arm (26, 36, 46) is designed at the brake pad guide spring (20, 30, 40, 50, 60) and fixes at least one brake pad (6) under spring bias in position on the brake holder (1, 31) in a clearance-free manner.
2. Brake holder (1) with a brake pad guide spring (20, 40, 50, 60) as claimed in claim 1,
c h a r a c t e r i z e d in that the fixing clamp (27 to 29, 47, 48, 57, 58, 67, 68) is locked at a radial undercut (13, 14, 61).
3. Brake holder (31) with a brake pad guide spring (30) as claimed in claim 1,
c h a r a c t e r i z e d in that the fixing clamp (37) is in locking engagement with a projection (39) at the brake holder (31).

4. Brake holder (1, 31) with a brake pad guide spring (20, 30, 40, 50, 60) as claimed in any one of the preceding claims,
c h a r a c t e r i z e d in that the spring arm (26, 36, 46) includes a first portion (16, 35) forming a radial stop for the mounted brake pad (6).
5. Brake holder (1, 31) with a brake pad guide spring (20, 30, 40, 50, 60) as claimed in any one of the preceding claims,
c h a r a c t e r i z e d in that the locked brake pad guide spring (20, 30, 40, 50, 60) bears in a clearance-free manner at least against guiding surfaces (9 to 10) provided for the displaceable arrangement of the brake pads (6) on the brake holder (1, 31).
6. Brake holder (1, 31) with a brake pad guide spring (20, 30, 40, 50, 60) as claimed in any one of the preceding claims,
c h a r a c t e r i z e d in that a mounting ramp (18) is provided at the spring arm (26, 36, 46) for the radial brake pad assembly.
7. Brake holder (1, 31) with a brake pad guide spring (20, 30, 40) as claimed in any one of the preceding claims,
c h a r a c t e r i z e d in that the spring arm (26, 36, 46) abuts under bias on an inclined abutment surface (17) of the brake pad (6) when the brake pad (6) is mounted.

8. Brake holder (1) with a brake pad guide spring (31)* as claimed in claim 8**,
c h a r a c t e r i z e d in that a tangentially active stop (41) is subsequent to the inclined abutment surface (17).
9. Brake holder (1) with a brake pad guide spring (20) as claimed in claim 4,
c h a r a c t e r i z e d in that the first portion (16) of the spring arm (26) is designed as a slope (19) with respect to the axial direction (3).
10. Brake holder (1) with a brake pad guide spring (20) as claimed in claim 9,
c h a r a c t e r i z e d in that the biasing force of the spring arm (26) is variable in dependence on the axial position of the brake pad (6) at the slope (19) when the brake pad (6) is mounted.

Translator's Notes:

Correction of claim 8 on page 15:

- * the correct reference numeral is '20'
- ** the correct appendancy is '... as claimed in claim 7,'